

Fox Valley Occupation Projections, 2005-2007
Detailed Occupational Trends

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Annual Openings			Typical Education/Training Path ⁽⁴⁾	Estimated Salary and Wages		
		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
00-0000	Total, All Occupations	286,470	291,330	4,860	1.70%	2,430	7,130	9,560		\$34,523	\$8.29	\$20.75
11-0000	Management Occupations	10,130	10,340	210	2.07%	110	170	280		\$80,239	\$20.20	\$47.76
11-1011	Chief Executives	430	440	10	2.33%	10	10	20	Bachelor's or higher degree, plus work exp	\$139,129	\$38.94	\$80.86
11-1021	General and Operations Managers	2,910	2,970	60	2.06%	30	50	80	Bachelor's or higher degree, plus work exp	\$87,297	\$21.85	\$52.03
11-1031	Legislators	500	490	-10	-2.00%	<5	10	10	Bachelor's or higher degree, plus work exp	\$17,161	\$5.91	\$9.42
11-2011	Advertising and Promotions Managers	80	80	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$86,514	\$26.82	\$48.98
11-2021	Marketing Managers	160	160	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$69,320	\$19.10	\$40.44
11-2022	Sales Managers	490	500	10	2.04%	10	10	20	Bachelor's or higher degree, plus work exp	\$89,038	\$24.93	\$51.74
11-2031	Public Relations Managers	60	60	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$61,237	\$18.71	\$34.81
11-3011	Administrative Services Managers	280	280	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp	\$75,409	\$21.38	\$43.69
11-3021	Computer and Information Systems Managers	360	380	20	5.56%	10	10	20	Bachelor's or higher degree, plus work exp	\$92,373	\$29.93	\$51.65
11-3031	Financial Managers	590	600	10	1.69%	10	10	20	Bachelor's or higher degree, plus work exp	\$100,771	\$28.26	\$58.54
11-3041	Compensation and Benefits Managers	90	90	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$73,185	\$24.82	\$40.37
11-3042	Training and Development Managers	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$64,376	\$21.88	\$35.49
11-3049	Human Resources Managers, All Other	100	100	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$91,333	\$29.55	\$51.09
11-3051	Industrial Production Managers	630	630	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp	\$72,847	\$22.81	\$41.13
11-3061	Purchasing Managers	150	140	-10	-6.67%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$88,422	\$28.45	\$49.54
11-3071	Transportation, Storage, and Distribution Managers	140	150	10	7.14%	10	<5	10	Work experience in a related occupation	\$77,586	\$23.99	\$43.96
11-9011	Farm, Ranch, and Other Agricultural Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-9021	Construction Managers	*	*	*	*	10	10	20	Bachelor's degree	\$65,544	\$20.28	\$37.13
11-9031	Education Administrators, Preschool and Child Care Center/Program	90	90	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-9032	Education Administrators, Elementary and Secondary School	300	300	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp	\$74,035		
11-9033	Education Administrators, Postsecondary	240	250	10	4.17%	10	10	20	Bachelor's or higher degree, plus work exp	\$66,912	\$21.57	\$37.47
11-9039	Education Administrators, All Other	40	40	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$52,241	\$18.48	\$28.43
11-9041	Engineering Managers	420	430	10	2.38%	10	10	20	Bachelor's or higher degree, plus work exp	\$93,546	\$32.42	\$51.25
11-9051	Food Service Managers	360	370	10	2.78%	10	10	20	Work experience in a related occupation	\$37,766	\$13.10	\$20.69
11-9061	Funeral Directors	70	70	0	0.00%	<5	<5	<5	Associate degree	\$102,886	\$20.61	\$63.89
11-9071	Gaming Managers	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation			
11-9081	Lodging Managers	50	60	10	20.00%	10	<5	10	Work experience in a related occupation	\$48,586	\$12.35	\$28.86
11-9111	Medical and Health Services Managers	360	370	10	2.78%	10	10	20	Bachelor's or higher degree, plus work exp	\$77,700	\$27.06	\$42.51
11-9121	Natural Sciences Managers	40	40	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$107,556	\$39.04	\$58.04
11-9131	Postmasters and Mail Superintendents	60	60	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$55,916	\$21.37	\$29.64
11-9141	Property, Real Estate, and Community Association Managers	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$57,820	\$16.29	\$33.55
11-9151	Social and Community Service Managers	220	230	10	4.55%	10	<5	10	Bachelor's degree	\$52,726	\$17.85	\$29.10
11-9199	Managers, All Other	540	550	10	1.85%	10	10	20	Work experience in a related occupation	\$71,593	\$23.16	\$40.05
13-0000	Business and Financial Operations Occupations	10,140	10,380	240	2.37%	120	170	290		\$48,302	\$13.36	\$28.15
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
13-1021	Purchasing Agents and Buyers, Farm Products	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$44,838	\$14.46	\$25.10
13-1022	Wholesale and Retail Buyers, Except Farm Products	230	230	0	0.00%	<5	10	10	Bachelor's degree	\$37,372	\$10.42	\$21.74
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	850	860	10	1.18%	10	20	30	Bachelor's degree	\$49,321	\$16.96	\$27.09
13-1031	Claims Adjusters, Examiners, and Investigators	400	410	10	2.50%	10	10	20	Long-term on-the-job training	\$46,934	\$16.44	\$25.63

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		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	220	220	0	0.00%	<5	10	10	Long-term on-the-job training	\$49,527	\$16.57	\$27.43
13-1051	Cost Estimators	610	640	30	4.92%	20	10	30	Bachelor's degree	\$51,488	\$17.05	\$28.61
13-1061	Emergency Management Specialists	20	30	10	50.00%	10	<5	10	Work experience in a related occupation	\$48,314	\$18.37	\$25.65
13-1071	Employment, Recruitment, and Placement Specialists	310	330	20	6.45%	10	<5	10	Bachelor's degree	\$47,131	\$13.36	\$27.31
13-1072	Compensation, Benefits, and Job Analysis Specialists	180	190	10	5.56%	10	<5	10	Bachelor's degree	\$50,027	\$16.70	\$27.73
13-1073	Training and Development Specialists	380	390	10	2.63%	10	10	20	Bachelor's degree	\$46,102	\$14.06	\$26.21
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	750	770	20	2.67%	10	10	20	Bachelor's degree	\$26,690	\$6.12	\$16.19
13-1081	Logisticians	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$57,689	\$20.37	\$31.42
13-1111	Management Analysts	450	450	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp	\$67,281	\$18.53	\$39.25
13-1121	Meeting and Convention Planners	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$31,764	\$8.95	\$18.43
13-1199	Business Operations Specialists, All Other	1,780	1,850	70	3.93%	40	30	70	Bachelor's degree	\$45,018	\$11.29	\$26.82
13-2011	Accountants and Auditors	1,930	1,980	50	2.59%	30	30	60	Bachelor's degree	\$54,266	\$18.31	\$29.98
13-2021	Appraisers and Assessors of Real Estate	110	120	10	9.09%	10	<5	10	Postsecondary vocational training	\$52,634	\$14.96	\$30.48
13-2031	Budget Analysts	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$56,252	\$19.45	\$30.84
13-2041	Credit Analysts	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,463	\$14.87	\$23.19
13-2051	Financial Analysts	140	140	0	0.00%	<5	<5	<5	Bachelor's degree	\$80,118	\$20.06	\$47.74
13-2052	Personal Financial Advisors	200	210	10	5.00%	10	<5	10	Bachelor's degree	\$70,193	\$18.11	\$41.56
13-2053	Insurance Underwriters	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2061	Financial Examiners	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$59,167	\$22.80	\$31.27
13-2071	Loan Counselors	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2072	Loan Officers	640	640	0	0.00%	<5	10	10	Bachelor's degree	\$45,952	\$13.55	\$26.36
13-2081	Tax Examiners, Collectors, and Revenue Agents	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$58,250	\$20.20	\$31.90
13-2082	Tax Preparers	140	140	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$37,884	\$10.76	\$21.94
13-2099	Financial Specialists, All Other	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$47,671	\$16.03	\$26.37
15-0000	Computer and Mathematical Occupations	3,830	3,980	150	3.92%	80	40	120		\$55,337	\$16.96	\$31.43
15-1011	Computer and Information Scientists, Research	*	*	*	*	<5	<5	<5	Doctoral degree			
15-1021	Computer Programmers	460	450	-10	-2.17%	<5	10	10	Bachelor's degree	\$52,718	\$18.32	\$28.86
15-1031	Computer Software Engineers, Applications	510	540	30	5.88%	20	<5	20	Bachelor's degree	\$63,816	\$22.15	\$34.95
15-1032	Computer Software Engineers, Systems Software	170	180	10	5.88%	10	<5	10	Bachelor's degree	\$63,469	\$22.20	\$34.67
15-1041	Computer Support Specialists	720	740	20	2.78%	10	10	20	Associate degree	\$37,878	\$12.98	\$20.83
15-1051	Computer Systems Analysts	910	940	30	3.30%	20	10	30	Bachelor's degree	\$64,597	\$21.20	\$35.98
15-1061	Database Administrators	130	140	10	7.69%	10	<5	10	Bachelor's degree	\$60,865	\$21.53	\$33.13
15-1071	Network and Computer Systems Administrators	450	470	20	4.44%	10	<5	10	Bachelor's degree	\$56,182	\$19.29	\$30.87
15-1081	Network Systems and Data Communications Analysts	260	280	20	7.69%	10	<5	10	Bachelor's degree	\$58,853	\$18.70	\$33.09
15-1099	Computer Specialists, All Other	120	130	10	8.33%	10	<5	10	Associate degree	\$41,497	\$11.18	\$24.34
15-2011	Actuaries	40	40	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$85,655	\$25.09	\$49.23
15-2021	Mathematicians	0	0	0	0.00%	<5	<5	<5	Doctoral degree			
15-2031	Operations Research Analysts	*	*	*	*	<5	<5	<5	Master's degree	\$53,028	\$20.09	\$28.20
15-2041	Statisticians	20	20	0	0.00%	<5	<5	<5	Master's degree	\$78,123	\$19.65	\$46.51
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	<5	<5	<5	Master's degree			
17-0000	Architecture and Engineering Occupations	5,430	5,520	90	1.66%	50	120	170		\$53,070	\$16.53	\$30.01
17-1011	Architects, Except Landscape and Naval	200	200	0	0.00%	<5	<5	<5	Bachelor's degree	\$62,083	\$17.85	\$35.85
17-1012	Landscape Architects	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$46,060	\$14.79	\$25.82
17-1021	Cartographers and Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-1022	Surveyors	*	*	*	*	<5	<5	<5	Bachelor's degree	\$43,480	\$15.37	\$23.67
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			

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17-2021	Agricultural Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2031	Biomedical Engineers	*	*	*	*	10	<5	10	Bachelor's degree			
17-2041	Chemical Engineers	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$80,389	\$30.81	\$42.57
17-2051	Civil Engineers	430	440	10	2.33%	10	10	20	Bachelor's degree	\$62,488	\$22.01	\$34.06
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2071	Electrical Engineers	410	410	0	0.00%	<5	10	10	Bachelor's degree	\$64,451	\$23.89	\$34.54
17-2072	Electronics Engineers, Except Computer	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$66,342	\$25.56	\$35.06
17-2081	Environmental Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$63,431	\$23.01	\$34.24
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$71,306	\$24.01	\$39.42
17-2112	Industrial Engineers	560	580	20	3.57%	10	10	20	Bachelor's degree	\$60,049	\$22.09	\$32.26
17-2121	Marine Engineers and Naval Architects	0	0	0	0.00%	<5	<5	<5	Bachelor's degree			
17-2131	Materials Engineers	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$65,925	\$21.29	\$36.90
17-2141	Mechanical Engineers	960	980	20	2.08%	10	30	40	Bachelor's degree	\$64,351	\$23.24	\$34.79
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2171	Petroleum Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2199	Engineers, All Other	250	250	0	0.00%	<5	10	10	Bachelor's degree	\$63,374	\$22.71	\$34.35
17-3011	Architectural and Civil Drafters	150	150	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$40,099	\$13.70	\$22.07
17-3012	Electrical and Electronics Drafters	90	90	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$41,636	\$13.34	\$23.36
17-3013	Mechanical Drafters	410	420	10	2.44%	10	10	20	Postsecondary vocational training	\$41,691	\$15.17	\$22.48
17-3019	Drafters, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$42,005	\$15.34	\$22.62
17-3021	Aerospace Engineering and Operations Technicians	*	*	*	*	<5	<5	<5	Associate degree			
17-3022	Civil Engineering Technicians	210	210	0	0.00%	<5	<5	<5	Associate degree	\$41,508	\$14.90	\$22.49
17-3023	Electrical and Electronic Engineering Technicians	290	290	0	0.00%	<5	10	10	Associate degree	\$41,101	\$14.25	\$22.52
17-3024	Electro-Mechanical Technicians	80	80	0	0.00%	<5	<5	<5	Associate degree	\$49,118	\$16.38	\$27.23
17-3025	Environmental Engineering Technicians	*	*	*	*	<5	<5	<5	Associate degree	\$41,058	\$16.37	\$21.42
17-3026	Industrial Engineering Technicians	230	230	0	0.00%	<5	10	10	Associate degree	\$40,194	\$15.82	\$21.08
17-3027	Mechanical Engineering Technicians	260	270	10	3.85%	10	10	20	Associate degree	\$40,114	\$12.33	\$22.77
17-3029	Engineering Technicians, Except Drafters, All Other	*	*	*	*	<5	<5	<5	Associate degree			
17-3031	Surveying and Mapping Technicians	110	110	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$31,698	\$10.96	\$17.38
19-0000	Life, Physical, and Social Science Occupations	2,220	2,270	50	2.25%	30	50	80		\$53,870	\$15.54	\$31.08
19-1011	Animal Scientists	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
19-1012	Food Scientists and Technologists	*	*	*	*	<5	<5	<5	Bachelor's degree	\$83,420	\$18.73	\$50.79
19-1013	Soil and Plant Scientists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$67,778	\$17.83	\$39.96
19-1021	Biochemists and Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-1022	Microbiologists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-1023	Zoologists and Wildlife Biologists	*	*	*	*	<5	<5	<5	Doctoral degree	\$61,576	\$21.37	\$33.72
19-1029	Biological Scientists, All Other	*	*	*	*	<5	<5	<5	Doctoral degree			
19-1031	Conservation Scientists	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,355	\$18.13	\$27.25
19-1032	Foresters	*	*	*	*	<5	<5	<5	Bachelor's degree	\$47,434	\$18.68	\$24.87
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree			
19-1042	Medical Scientists, Except Epidemiologists	*	*	*	*	10	<5	10	Doctoral degree			
19-1099	Life Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree			
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-2031	Chemists	150	150	0	0.00%	<5	10	10	Bachelor's degree	\$58,353	\$16.37	\$33.90
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	\$79,308	\$27.05	\$43.67

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19-2041	Environmental Scientists and Specialists, Including Health	90	90	0	0.00%	<5	<5	<5	Master's degree	\$49,913	\$16.05	\$27.97
19-2042	Geoscientists, Except Hydrologists and Geographers	*	*	*	*	<5	<5	<5	Master's degree			
19-2043	Hydrologists	30	30	0	0.00%	<5	<5	<5	Master's degree	\$48,162	\$19.28	\$25.09
19-2099	Physical Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree			
19-3021	Market Research Analysts	370	380	10	2.70%	10	10	20	Master's degree	\$57,733	\$19.26	\$32.00
19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree			
19-3031	Clinical, Counseling, and School Psychologists	190	200	10	5.26%	10	<5	10	Doctoral degree	\$60,107	\$20.57	\$33.06
19-3039	Psychologists, All Other	*	*	*	*	<5	<5	<5	Master's degree	\$87,780	\$39.13	\$43.74
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree			
19-3051	Urban and Regional Planners	*	*	*	*	10	<5	10	Master's degree	\$41,532	\$15.11	\$22.39
19-3091	Anthropologists and Archeologists	*	*	*	*	<5	<5	<5	Master's degree			
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree			
19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree			
19-3099	Social Scientists and Related Workers, All Other	40	40	0	0.00%	<5	<5	<5	Master's degree	\$55,983	\$24.64	\$28.05
19-4011	Agricultural and Food Science Technicians	70	70	0	0.00%	<5	<5	<5	Associate degree	\$29,303	\$10.79	\$15.74
19-4021	Biological Technicians	110	110	0	0.00%	<5	<5	<5	Associate degree	\$36,045	\$12.78	\$19.60
19-4031	Chemical Technicians	140	140	0	0.00%	<5	<5	<5	Associate degree	\$43,414	\$16.77	\$22.92
19-4041	Geological and Petroleum Technicians	*	*	*	*	<5	<5	<5	Associate degree			
19-4061	Social Science Research Assistants	*	*	*	*	<5	<5	<5	Associate degree			
19-4091	Environmental Science and Protection Technicians, Including Health	40	40	0	0.00%	<5	<5	<5	Associate degree	\$45,110	\$15.34	\$24.86
19-4092	Forensic Science Technicians	*	*	*	*	<5	<5	<5	Associate degree			
19-4093	Forest and Conservation Technicians	30	30	0	0.00%	<5	<5	<5	Associate degree	\$34,174	\$12.16	\$18.56
19-4099	Life, Physical, and Social Science Technicians, All Other	180	190	10	5.56%	10	<5	10	Associate degree	\$41,640	\$14.38	\$22.84
21-0000	Community and Social Services Occupations	5,010	5,140	130	2.59%	70	90	160		\$38,231	\$10.87	\$22.14
21-1011	Substance Abuse and Behavioral Disorder Counselors	110	120	10	9.09%	10	<5	10	Master's degree	\$38,614	\$14.01	\$20.84
21-1012	Educational, Vocational, and School Counselors	350	370	20	5.71%	10	10	20	Master's degree	\$49,102	\$15.05	\$27.89
21-1013	Marriage and Family Therapists	50	50	0	0.00%	<5	<5	<5	Master's degree	\$45,741	\$16.42	\$24.78
21-1014	Mental Health Counselors	90	100	10	11.11%	10	<5	10	Master's degree	\$53,867	\$17.59	\$30.05
21-1015	Rehabilitation Counselors	260	270	10	3.85%	10	10	20	Master's degree	\$32,871	\$10.14	\$18.64
21-1019	Counselors, All Other	90	90	0	0.00%	<5	<5	<5	Master's degree	\$54,323	\$14.75	\$31.80
21-1021	Child, Family, and School Social Workers	490	500	10	2.04%	10	10	20	Master's degree	\$40,045	\$12.91	\$22.42
21-1022	Medical and Public Health Social Workers	160	170	10	6.25%	10	<5	10	Master's degree	\$38,449	\$13.03	\$21.21
21-1023	Mental Health and Substance Abuse Social Workers	140	150	10	7.14%	10	<5	10	Master's degree	\$40,876	\$14.25	\$22.35
21-1029	Social Workers, All Other	*	*	*	*	10	<5	10	Master's degree			
21-1091	Health Educators	60	60	0	0.00%	<5	<5	<5	Master's degree	\$34,973	\$10.57	\$19.93
21-1092	Probation Officers and Correctional Treatment Specialists	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,633	\$18.40	\$22.27
21-1093	Social and Human Service Assistants	690	710	20	2.90%	10	10	20	Moderate-term on-the-job training	\$28,212	\$9.56	\$15.56
21-1099	Community and Social Service Specialists, All Other	220	230	10	4.55%	10	<5	10	Bachelor's degree	\$29,306	\$7.35	\$17.46
21-2011	Clergy	*	*	*	*	10	30	40	Master's degree	\$44,799	\$15.82	\$24.40
21-2021	Directors, Religious Activities and Education	*	*	*	*	10	<5	10	Bachelor's degree			
21-2099	Religious Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
23-0000	Legal Occupations	970	980	10	1.03%	10	10	20		\$61,578	\$14.69	\$37.06
23-1011	Lawyers	580	590	10	1.72%	10	10	20	First professional degree	\$79,212	\$22.08	\$46.09

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Annual Openings			Typical Education/Training Path ⁽⁴⁾	Estimated Salary and Wages		
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23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	0	0	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-1022	Arbitrators, Mediators, and Conciliators	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-2011	Paralegals and Legal Assistants	190	200	10	5.26%	10	<5	10	Associate degree	\$34,080	\$13.56	\$17.80
23-2091	Court Reporters	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$37,556	\$11.04	\$21.56
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree			
23-2093	Title Examiners, Abstractors, and Searchers	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,671	\$12.17	\$16.03
23-2099	Legal Support Workers, All Other	30	20	-10	-33.33%	<5	<5	<5	Bachelor's degree	\$36,893	\$13.87	\$19.67
25-0000	Education, Training, and Library Occupations	13,550	14,010	460	3.39%	230	260	490		\$41,251	\$11.66	\$23.92
25-1011	Business Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1021	Computer Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1022	Mathematical Science Teachers, Postsecondary	70	80	10	14.29%	10	<5	10	Doctoral degree	\$60,745		
25-1031	Architecture Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
25-1032	Engineering Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1041	Agricultural Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1042	Biological Science Teachers, Postsecondary	60	60	0	0.00%	<5	<5	<5	Doctoral degree	\$55,545		
25-1043	Forestry and Conservation Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1052	Chemistry Teachers, Postsecondary	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$52,779		
25-1053	Environmental Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1054	Physics Teachers, Postsecondary	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$57,712		
25-1061	Anthropology and Archeology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1063	Economics Teachers, Postsecondary	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$60,317		
25-1064	Geography Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1065	Political Science Teachers, Postsecondary	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$54,928		
25-1066	Psychology Teachers, Postsecondary	40	50	10	25.00%	10	<5	10	Doctoral degree	\$57,611		
25-1067	Sociology Teachers, Postsecondary	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$52,335		
25-1069	Social Sciences Teachers, Postsecondary, All Other	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1071	Health Specialties Teachers, Postsecondary	*	*	*	*	10	10	20	Master's degree			
25-1072	Nursing Instructors and Teachers, Postsecondary	90	90	0	0.00%	<5	<5	<5	Doctoral degree	\$55,194		
25-1081	Education Teachers, Postsecondary	110	110	0	0.00%	<5	<5	<5	Doctoral degree	\$48,653		
25-1082	Library Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1112	Law Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1113	Social Work Teachers, Postsecondary	10	20	10	100.00%	10	<5	10	Doctoral degree	\$50,106		
25-1121	Art, Drama, and Music Teachers, Postsecondary	120	130	10	8.33%	10	<5	10	Master's degree	\$48,078		
25-1122	Communications Teachers, Postsecondary	60	60	0	0.00%	<5	<5	<5	Doctoral degree	\$51,511		
25-1123	English Language and Literature Teachers, Postsecondary	90	90	0	0.00%	<5	<5	<5	Doctoral degree	\$58,702		
25-1124	Foreign Language and Literature Teachers, Postsecondary	50	50	0	0.00%	<5	<5	<5	Doctoral degree	\$49,174		
25-1125	History Teachers, Postsecondary	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$47,965		
25-1126	Philosophy and Religion Teachers, Postsecondary	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$52,571		
25-1191	Graduate Teaching Assistants	*	*	*	*	10	10	20	Bachelor's degree			

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25-1192	Home Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	*	*	*	*	10	<5	10	Master's degree			
25-1194	Vocational Education Teachers, Postsecondary	*	*	*	*	10	10	20	Work experience in a related occupation			
25-1199	Postsecondary Teachers, All Other	*	*	*	*	10	10	20	Doctoral degree			
25-2011	Preschool Teachers, Except Special Education	820	870	50	6.10%	30	10	40	Bachelor's degree	\$23,410	\$7.51	\$13.13
25-2012	Kindergarten Teachers, Except Special Education	250	260	10	4.00%	10	<5	10	Bachelor's degree	\$39,343		
25-2021	Elementary School Teachers, Except Special Education	2,280	2,350	70	3.07%	40	50	90	Bachelor's degree	\$40,663		
25-2022	Middle School Teachers, Except Special and Vocational Education	1,170	1,190	20	1.71%	10	20	30	Bachelor's degree	\$43,778		
25-2023	Vocational Education Teachers, Middle School	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,029		
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,870	1,910	40	2.14%	20	50	70	Bachelor's degree	\$42,717		
25-2032	Vocational Education Teachers, Secondary School	150	150	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,129		
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	260	270	10	3.85%	10	10	20	Bachelor's degree	\$41,288		
25-2042	Special Education Teachers, Middle School	140	150	10	7.14%	10	<5	10	Bachelor's degree	\$41,088		
25-2043	Special Education Teachers, Secondary School	210	220	10	4.76%	10	10	20	Bachelor's degree	\$44,497		
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,424	\$16.45	\$28.14
25-3021	Self-Enrichment Education Teachers	410	430	20	4.88%	10	10	20	Work experience in a related occupation	\$33,081	\$8.41	\$19.65
25-3099	Teachers and Instructors, All Other	820	850	30	3.66%	20	10	30	Bachelor's degree	\$27,874	\$9.40	\$15.40
25-4011	Archivists	*	*	*	*	<5	<5	<5	Master's degree	\$42,369	\$16.39	\$22.36
25-4012	Curators	20	20	0	0.00%	<5	<5	<5	Master's degree	\$44,250	\$17.06	\$23.38
25-4013	Museum Technicians and Conservators	20	20	0	0.00%	<5	<5	<5	Master's degree	\$38,820	\$14.63	\$20.68
25-4021	Librarians	240	240	0	0.00%	<5	10	10	Master's degree	\$46,645	\$16.35	\$25.47
25-4031	Library Technicians	240	240	0	0.00%	<5	10	10	Postsecondary vocational training	\$24,718	\$8.40	\$13.62
25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
25-9021	Farm and Home Management Advisors	*	*	*	*	10	<5	10	Bachelor's degree			
25-9031	Instructional Coordinators	100	100	0	0.00%	<5	<5	<5	Master's degree	\$56,985	\$20.59	\$30.80
25-9041	Teacher Assistants	2,040	2,100	60	2.94%	30	40	70	Associate degree	\$21,870		
25-9099	Education, Training, and Library Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	\$33,173	\$15.05	\$16.40
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	3,710	3,770	60	1.62%	30	60	90		\$35,664	\$9.01	\$21.21
27-1011	Art Directors	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$63,352	\$20.56	\$35.40
27-1012	Craft Artists	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$29,803	\$11.90	\$15.54
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-1014	Multi-Media Artists and Animators	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$35,625	\$10.14	\$20.62
27-1019	Artists and Related Workers, All Other	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$34,503	\$10.61	\$19.58
27-1021	Commercial and Industrial Designers	110	110	0	0.00%	<5	<5	<5	Bachelor's degree	\$53,775	\$18.82	\$29.37
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1023	Floral Designers	180	180	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$21,994	\$8.59	\$11.57
27-1024	Graphic Designers	560	570	10	1.79%	10	10	20	Bachelor's degree	\$39,012	\$13.65	\$21.31
27-1025	Interior Designers	100	110	10	10.00%	10	<5	10	Bachelor's degree	\$38,525	\$14.11	\$20.73
27-1026	Merchandise Displayers and Window Trimmers	70	80	10	14.29%	10	<5	10	Moderate-term on-the-job training	\$19,275	\$6.26	\$10.77
27-1027	Set and Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1029	Designers, All Other	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$32,352	\$9.55	\$18.55
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2012	Producers and Directors	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$36,786	\$13.94	\$19.56

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27-2021	Athletes and Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2022	Coaches and Scouts	260	270	10	3.85%	10	10	20	Long-term on-the-job training	\$30,075		
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
27-2041	Music Directors and Composers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$38,168	\$14.24	\$20.40
27-2042	Musicians and Singers	*	*	*	*	10	10	20	Long-term on-the-job training			
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-3011	Radio and Television Announcers	70	70	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$22,785	\$6.46	\$13.20
27-3012	Public Address System and Other Announcers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-3021	Broadcast News Analysts	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$30,273	\$10.76	\$16.45
27-3022	Reporters and Correspondents	180	180	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$30,554	\$9.73	\$17.17
27-3031	Public Relations Specialists	400	410	10	2.50%	10	10	20	Bachelor's degree	\$44,880	\$14.31	\$25.21
27-3041	Editors	300	300	0	0.00%	<5	10	10	Bachelor's degree	\$42,588	\$13.42	\$24.00
27-3042	Technical Writers	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$45,231	\$17.48	\$23.88
27-3043	Writers and Authors	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,250	\$10.85	\$22.16
27-3091	Interpreters and Translators	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$30,645	\$11.13	\$16.54
27-3099	Media and Communication Workers, All Other	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$40,445	\$10.40	\$23.97
27-4011	Audio and Video Equipment Technicians	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$35,128	\$9.78	\$20.44
27-4012	Broadcast Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$30,619	\$8.91	\$17.63
27-4014	Sound Engineering Technicians	*	*	*	*	10	<5	10	Postsecondary vocational training			
27-4021	Photographers	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$28,094	\$6.63	\$16.94
27-4031	Camera Operators, Television, Video, and Motion Picture	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
27-4032	Film and Video Editors	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-4099	Media and Communication Equipment Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
29-0000	Healthcare Practitioners and Technical Occupations	11,770	12,250	480	4.08%	240	190	430		\$54,345	\$13.15	\$32.62
29-1011	Chiropractors	100	110	10	10.00%	10	<5	10	First professional degree	\$76,377	\$19.55	\$45.30
29-1021	Dentists, General	230	230	0	0.00%	<5	<5	<5	First professional degree	\$155,483	\$46.84	\$88.71
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	<5	<5	<5	First professional degree			
29-1023	Orthodontists	10	10	0	0.00%	<5	<5	<5	First professional degree			
29-1024	Prosthodontists	0	0	0	0.00%	<5	<5	<5	First professional degree			
29-1029	Dentists, All Other Specialists	*	*	*	*	<5	<5	<5	First professional degree			
29-1031	Dietitians and Nutritionists	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,529	\$16.26	\$23.98
29-1041	Optometrists	40	50	10	25.00%	10	<5	10	First professional degree	\$108,136	\$35.91	\$60.03
29-1051	Pharmacists	380	400	20	5.26%	10	10	20	First professional degree	\$88,179	\$32.12	\$47.53
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree	\$191,272		
29-1062	Family and General Practitioners	140	140	0	0.00%	<5	<5	<5	First professional degree	\$148,278	\$48.66	\$82.60
29-1063	Internists, General	130	140	10	7.69%	10	<5	10	First professional degree	\$176,553		
29-1064	Obstetricians and Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	\$181,575		
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree			
29-1066	Psychiatrists	20	30	10	50.00%	10	<5	10	First professional degree	\$185,167		
29-1067	Surgeons	*	*	*	*	<5	<5	<5	First professional degree	\$183,542		
29-1069	Physicians and Surgeons, All Other	*	*	*	*	10	<5	10	First professional degree	\$139,636	\$47.37	\$77.01
29-1071	Physician Assistants	110	130	20	18.18%	10	<5	10	Bachelor's degree			
29-1081	Podiatrists	10	10	0	0.00%	<5	<5	<5	First professional degree	\$134,403	\$42.29	\$75.78
29-1111	Registered Nurses	3,900	4,090	190	4.87%	100	70	170	Bachelor's degree ⁽⁸⁾	\$53,212	\$20.38	\$28.18
29-1121	Audiologists	60	60	0	0.00%	<5	<5	<5	Doctoral degree	\$51,501	\$21.69	\$26.29
29-1122	Occupational Therapists	250	260	10	4.00%	10	<5	10	Master's degree	\$55,310	\$20.94	\$29.42
29-1123	Physical Therapists	290	310	20	6.90%	10	<5	10	Master's degree	\$62,584	\$23.24	\$33.51
29-1124	Radiation Therapists	*	*	*	*	<5	<5	<5	Associate degree			

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29-1125	Recreational Therapists	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$32,510	\$10.30	\$18.30
29-1126	Respiratory Therapists	*	*	*	*	10	<5	10	Associate degree			
29-1127	Speech-Language Pathologists	180	180	0	0.00%	<5	10	10	Master's degree	\$49,324	\$17.83	\$26.65
29-1129	Therapists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
29-1131	Veterinarians	150	150	0	0.00%	<5	<5	<5	First professional degree	\$89,790	\$24.53	\$52.49
29-1199	Health Diagnosing and Treating Practitioners, All Other	*	*	*	*	<5	<5	<5	First professional degree			
29-2011	Medical and Clinical Laboratory Technologists	280	290	10	3.57%	10	10	20	Bachelor's degree	\$48,585	\$19.06	\$25.50
29-2012	Medical and Clinical Laboratory Technicians	180	190	10	5.56%	10	10	20	Associate degree	\$31,942	\$12.77	\$16.65
29-2021	Dental Hygienists	460	490	30	6.52%	20	<5	20	Associate degree	\$56,739	\$24.34	\$28.75
29-2031	Cardiovascular Technologists and Technicians	50	50	0	0.00%	<5	<5	<5	Associate degree	\$43,101	\$14.04	\$24.06
29-2032	Diagnostic Medical Sonographers	70	70	0	0.00%	<5	<5	<5	Associate degree	\$64,754	\$26.43	\$33.48
29-2033	Nuclear Medicine Technologists	30	30	0	0.00%	<5	<5	<5	Associate degree	\$64,198	\$28.19	\$32.20
29-2034	Radiologic Technologists and Technicians	340	360	20	5.88%	10	10	20	Associate degree	\$43,464	\$18.13	\$22.28
29-2041	Emergency Medical Technicians and Paramedics	700	730	30	4.29%	20	10	30	Postsecondary vocational training	\$22,755	\$7.47	\$12.68
29-2051	Dietetic Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$26,993	\$9.07	\$14.93
29-2052	Pharmacy Technicians	500	520	20	4.00%	10	10	20	Moderate-term on-the-job training	\$23,234	\$8.96	\$12.28
29-2053	Psychiatric Technicians	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,396	\$14.29	\$17.66
29-2054	Respiratory Therapy Technicians	*	*	*	*	<5	<5	<5	Associate degree			
29-2055	Surgical Technologists	*	*	*	*	10	<5	10	Postsecondary vocational training			
29-2056	Veterinary Technologists and Technicians	140	150	10	7.14%	10	<5	10	Associate degree	\$27,245	\$11.93	\$13.68
29-2061	Licensed Practical and Licensed Vocational Nurses	1,020	1,030	10	0.98%	10	20	30	Postsecondary vocational training	\$35,678	\$14.95	\$18.25
29-2071	Medical Records and Health Information Technicians	290	310	20	6.90%	10	<5	10	Associate degree	\$26,469	\$9.83	\$14.18
29-2081	Opticians, Dispensing	180	190	10	5.56%	10	<5	10	Long-term on-the-job training	\$24,748	\$8.89	\$13.40
29-2091	Orthotists and Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree			
29-2099	Health Technologists and Technicians, All Other	*	*	*	*	10	<5	10	Postsecondary vocational training			
29-9011	Occupational Health and Safety Specialists	60	70	10	16.67%	10	<5	10	Bachelor's degree	\$50,620	\$16.50	\$28.25
29-9012	Occupational Health and Safety Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
29-9091	Athletic Trainers	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,496		
29-9099	Healthcare Practitioners and Technical Workers, All Other	80	90	10	12.50%	10	<5	10	Postsecondary vocational training	\$33,234	\$13.33	\$17.30
31-0000	Healthcare Support Occupations	7,370	7,620	250	3.39%	130	110	240		\$24,170	\$9.02	\$12.92
31-1011	Home Health Aides	1,060	1,140	80	7.55%	40	10	50	Short-term on-the-job training	\$18,989	\$7.20	\$10.10
31-1012	Nursing Aides, Orderlies, and Attendants	3,810	3,860	50	1.31%	30	50	80	Postsecondary vocational training	\$23,001	\$9.34	\$11.92
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-2011	Occupational Therapist Assistants	70	70	0	0.00%	<5	<5	<5	Associate degree	\$34,621	\$13.86	\$18.04
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-2021	Physical Therapist Assistants	110	120	10	9.09%	10	<5	10	Associate degree	\$37,782	\$14.73	\$19.88
31-2022	Physical Therapist Aides	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,622	\$9.80	\$12.85
31-9011	Massage Therapists	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$36,749	\$10.35	\$21.33
31-9091	Dental Assistants	530	560	30	5.66%	20	10	30	Moderate-term on-the-job training	\$32,716	\$11.06	\$18.06
31-9092	Medical Assistants	540	580	40	7.41%	20	10	30	Moderate-term on-the-job training	\$26,756	\$10.88	\$13.86
31-9093	Medical Equipment Preparers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-9094	Medical Transcriptionists	370	380	10	2.70%	10	10	20	Postsecondary vocational training	\$27,750	\$11.40	\$14.31
31-9095	Pharmacy Aides	*	*	*	*	10	<5	10	Short-term on-the-job training			
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	120	120	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,496	\$9.47	\$10.05
31-9099	Healthcare Support Workers, All Other	470	490	20	4.26%	10	10	20	Short-term on-the-job training	\$25,383	\$9.56	\$13.53
33-0000	Protective Service Occupations	4,290	4,340	50	1.17%	30	130	160		\$33,028	\$8.97	\$19.33
33-1011	First-Line Supervisors/Managers of Correctional Officers	70	70	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$51,889	\$21.84	\$26.50

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33-1012	First-Line Supervisors/Managers of Police and Detectives	120	120	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$58,165	\$23.68	\$30.11
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	70	70	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$38,560	\$7.19	\$24.21
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$45,762	\$16.77	\$24.62
33-2011	Fire Fighters	690	710	20	2.90%	10	20	30	Long-term on-the-job training	\$26,114	\$8.22	\$14.72
33-2021	Fire Inspectors and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
33-3011	Bailiffs	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$20,898	\$8.71	\$10.72
33-3012	Correctional Officers and Jailers	610	600	-10	-1.64%	<5	10	10	Moderate-term on-the-job training	\$35,716	\$14.63	\$18.44
33-3021	Detectives and Criminal Investigators	140	140	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$49,767	\$20.13	\$25.82
33-3031	Fish and Game Wardens	*	*	*	*	<5	<5	<5	Associate degree			
33-3041	Parking Enforcement Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
33-3051	Police and Sheriff's Patrol Officers	1,010	1,020	10	0.99%	10	30	40	Long-term on-the-job training	\$43,978	\$16.09	\$23.67
33-3052	Transit and Railroad Police	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
33-9011	Animal Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-9021	Private Detectives and Investigators	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$33,159	\$11.37	\$18.23
33-9031	Gaming Surveillance Officers and Gaming Investigators	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
33-9032	Security Guards	920	930	10	1.09%	10	20	30	Short-term on-the-job training	\$20,917	\$7.37	\$11.40
33-9091	Crossing Guards	150	160	10	6.67%	10	10	20	Short-term on-the-job training	\$21,074	\$6.80	\$11.79
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	240	250	10	4.17%	10	30	40	Short-term on-the-job training	\$16,044	\$7.24	\$7.95
33-9099	Protective Service Workers, All Other	100	110	10	10.00%	10	10	20	Short-term on-the-job training	\$29,099	\$9.59	\$16.19
35-0000	Food Preparation and Serving Related Occupations	24,180	24,870	690	2.85%	350	1,170	1,520		\$16,706	\$5.90	\$9.10
35-1011	Chefs and Head Cooks	360	370	10	2.78%	10	10	20	Postsecondary vocational training	\$25,669	\$9.16	\$13.93
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,560	1,610	50	3.21%	30	40	70	Work experience in a related occupation	\$27,211	\$9.52	\$14.86
35-2011	Cooks, Fast Food	1,080	1,110	30	2.78%	20	40	60	Short-term on-the-job training	\$15,805	\$6.16	\$8.32
35-2012	Cooks, Institution and Cafeteria	820	820	0	0.00%	<5	30	30	Long-term on-the-job training	\$22,715	\$8.68	\$12.04
35-2013	Cooks, Private Household	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
35-2014	Cooks, Restaurant	1,420	1,470	50	3.52%	30	60	90	Long-term on-the-job training	\$18,893	\$6.93	\$10.16
35-2015	Cooks, Short Order	550	560	10	1.82%	10	20	30	Short-term on-the-job training	\$15,870	\$5.83	\$8.53
35-2019	Cooks, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$24,584	\$10.21	\$12.62
35-2021	Food Preparation Workers	1,510	1,560	50	3.31%	30	70	100	Short-term on-the-job training	\$17,600	\$6.46	\$9.46
35-3011	Bartenders	2,590	2,660	70	2.70%	40	100	140	Short-term on-the-job training	\$16,334	\$6.18	\$8.69
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	5,210	5,370	160	3.07%	80	280	360	Short-term on-the-job training	\$15,345	\$5.94	\$8.10
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	600	620	20	3.33%	10	60	70	Short-term on-the-job training	\$14,630	\$5.84	\$7.63
35-3031	Waiters and Waitresses	5,070	5,230	160	3.16%	80	300	380	Short-term on-the-job training	\$14,337	\$5.89	\$7.40
35-3041	Food Servers, Nonrestaurant	390	390	0	0.00%	<5	20	20	Short-term on-the-job training	\$19,148	\$7.17	\$10.22
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	910	930	20	2.20%	10	40	50	Short-term on-the-job training	\$13,525	\$5.90	\$6.81
35-9021	Dishwashers	1,370	1,410	40	2.92%	20	70	90	Short-term on-the-job training	\$14,143	\$5.87	\$7.26
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	620	640	20	3.23%	10	20	30	Short-term on-the-job training	\$15,490	\$6.08	\$8.13
35-9099	Food Preparation and Serving Related Workers, All Other	*	*	*	*	10	10	20	Short-term on-the-job training	\$12,879	\$5.79	\$6.39
37-0000	Building and Grounds Cleaning and Maintenance Occupations	9,390	9,660	270	2.88%	140	190	330		\$22,152	\$7.24	\$12.35
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	370	380	10	2.70%	10	10	20	Work experience in a related occupation	\$36,845	\$12.17	\$20.48

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37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	180	190	10	5.56%	10	<5	10	Work experience in a related occupation	\$41,947	\$15.22	\$22.64
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	5,120	5,270	150	2.93%	80	100	180	Short-term on-the-job training	\$22,290	\$7.51	\$12.32
37-2012	Maids and Housekeeping Cleaners	2,070	2,120	50	2.42%	30	40	70	Short-term on-the-job training	\$17,145	\$6.85	\$8.94
37-2019	Building Cleaning Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
37-2021	Pest Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$27,979	\$9.41	\$15.47
37-3011	Landscaping and Groundskeeping Workers	1,520	1,570	50	3.29%	30	30	60	Short-term on-the-job training	\$21,949	\$7.37	\$12.14
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
37-3013	Tree Trimmers and Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$27,432	\$10.10	\$14.73
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-0000	Personal Care and Service Occupations	7,040	7,310	270	3.84%	140	170	310		\$19,757	\$6.71	\$10.89
39-1011	Gaming Supervisors	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation			
39-1012	Slot Key Persons	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training			
39-1021	First-Line Supervisors/Managers of Personal Service Workers	270	280	10	3.70%	10	10	20	Work experience in a related occupation	\$31,787	\$11.49	\$17.18
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$23,721	\$9.73	\$12.24
39-2021	Nonfarm Animal Caretakers	*	*	*	*	10	10	20	Short-term on-the-job training	\$16,527	\$5.90	\$8.97
39-3011	Gaming Dealers	90	90	0	0.00%	<5	<5	<5	Postsecondary vocational training			
39-3012	Gaming and Sports Book Writers and Runners	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training			
39-3019	Gaming Service Workers, All Other	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
39-3021	Motion Picture Projectionists	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-3031	Ushers, Lobby Attendants, and Ticket Takers	120	120	0	0.00%	<5	10	10	Short-term on-the-job training	\$13,538	\$5.86	\$6.83
39-3091	Amusement and Recreation Attendants	550	570	20	3.64%	10	20	30	Short-term on-the-job training	\$15,901	\$5.98	\$8.48
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	30	40	10	33.33%	10	<5	10	Short-term on-the-job training	\$18,616	\$7.26	\$9.80
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	10	<5	10	Moderate-term on-the-job training	\$19,164	\$7.42	\$10.11
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-4021	Funeral Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$25,652	\$9.83	\$13.58
39-5011	Barbers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,190	1,220	30	2.52%	20	20	40	Postsecondary vocational training	\$20,131	\$5.94	\$11.55
39-5092	Manicurists and Pedicurists	40	50	10	25.00%	10	<5	10	Postsecondary vocational training	\$18,054	\$6.09	\$9.97
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-5094	Skin Care Specialists	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-6011	Baggage Porters and Bellhops	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$13,205	\$5.88	\$6.58
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6021	Tour Guides and Escorts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6031	Flight Attendants	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-9011	Child Care Workers	1,360	1,410	50	3.68%	30	40	70	Short-term on-the-job training	\$17,640	\$6.82	\$9.31
39-9021	Personal and Home Care Aides	1,320	1,400	80	6.06%	40	20	60	Short-term on-the-job training	\$18,906	\$7.37	\$9.95
39-9031	Fitness Trainers and Aerobics Instructors	450	470	20	4.44%	10	10	20	Postsecondary vocational training	\$21,416	\$7.38	\$11.75
39-9032	Recreation Workers	650	660	10	1.54%	10	20	30	Bachelor's degree	\$19,689	\$6.80	\$10.80
39-9041	Residential Advisors	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$23,750	\$8.59	\$12.83
39-9099	Personal Care and Service Workers, All Other	*	*	*	*	10	<5	10	Short-term on-the-job training	\$18,081	\$7.49	\$9.29
41-0000	Sales and Related Occupations	26,750	27,050	300	1.12%	150	1,030	1,180		\$31,788	\$7.01	\$19.42
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,970	1,970	0	0.00%	<5	30	30	Work experience in a related occupation	\$36,019	\$11.14	\$20.41

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41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	520	530	10	1.92%	10	10	20	Work experience in a related occupation	\$68,212	\$20.93	\$38.73
41-2011	Cashiers	6,490	6,470	-20	-0.31%	<5	420	420	Short-term on-the-job training	\$16,360	\$6.12	\$8.74
41-2012	Gaming Change Persons and Booth Cashiers	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training			
41-2021	Counter and Rental Clerks	690	720	30	4.35%	20	30	50	Short-term on-the-job training	\$24,416	\$6.41	\$14.40
41-2022	Parts Salespersons	460	450	-10	-2.17%	<5	10	10	Moderate-term on-the-job training	\$29,029	\$10.25	\$15.81
41-2031	Retail Salespersons	8,510	8,670	160	1.88%	80	340	420	Short-term on-the-job training	\$24,274	\$6.89	\$14.06
41-3011	Advertising Sales Agents	390	390	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$37,594	\$9.28	\$22.47
41-3021	Insurance Sales Agents	450	450	0	0.00%	<5	10	10	Bachelor's degree	\$54,323	\$12.77	\$32.79
41-3031	Securities, Commodities, and Financial Services Sales Agents	*	*	*	*	10	10	20	Bachelor's degree			
41-3041	Travel Agents	160	160	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$26,726	\$8.80	\$14.87
41-3099	Sales Representatives, Services, All Other	*	*	*	*	10	10	20	Moderate-term on-the-job training	\$51,958	\$12.54	\$31.20
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	620	640	20	3.23%	10	20	30	Moderate-term on-the-job training	\$63,817	\$17.13	\$37.46
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	3,410	3,490	80	2.35%	40	90	130	Moderate-term on-the-job training	\$56,172	\$15.37	\$32.82
41-9011	Demonstrators and Product Promoters	*	*	*	*	10	<5	10	Moderate-term on-the-job training	\$17,412	\$6.39	\$9.36
41-9012	Models	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
41-9021	Real Estate Brokers	50	50	0	0.00%	<5	<5	<5	Postsecondary vocational training			
41-9022	Real Estate Sales Agents	80	80	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$45,331	\$13.33	\$26.03
41-9031	Sales Engineers	210	220	10	4.76%	10	10	20	Bachelor's degree	\$66,717	\$24.41	\$35.91
41-9041	Telemarketers	*	*	*	*	<5	20	20	Short-term on-the-job training	\$19,566	\$7.53	\$10.35
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
41-9099	Sales and Related Workers, All Other	270	290	20	7.41%	10	10	20	Moderate-term on-the-job training	\$36,021	\$12.09	\$19.93
43-0000	Office and Administrative Support Occupations	46,460	46,590	130	0.28%	70	1,100	1,170		\$27,888	\$8.95	\$15.64
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	2,500	2,520	20	0.80%	10	50	60	Work experience in a related occupation	\$41,787	\$13.58	\$23.35
43-2011	Switchboard Operators, Including Answering Service	410	400	-10	-2.44%	<5	10	10	Short-term on-the-job training	\$22,437	\$7.81	\$12.27
43-2021	Telephone Operators	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-2099	Communications Equipment Operators, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-3011	Bill and Account Collectors	670	700	30	4.48%	20	10	30	Short-term on-the-job training	\$27,722	\$10.73	\$14.63
43-3021	Billing and Posting Clerks and Machine Operators	1,050	1,040	-10	-0.95%	<5	20	20	Moderate-term on-the-job training	\$27,020	\$10.60	\$14.19
43-3031	Bookkeeping, Accounting, and Auditing Clerks	4,480	4,500	20	0.45%	10	80	90	Moderate-term on-the-job training	\$28,190	\$9.51	\$15.58
43-3041	Gaming Cage Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-3051	Payroll and Timekeeping Clerks	460	470	10	2.17%	10	10	20	Moderate-term on-the-job training	\$29,182	\$9.59	\$16.25
43-3061	Procurement Clerks	160	160	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$29,803	\$11.56	\$15.71
43-3071	Tellers	1,510	1,510	0	0.00%	<5	90	90	Short-term on-the-job training	\$20,531	\$8.79	\$10.41
43-4011	Brokerage Clerks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
43-4021	Correspondence Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-4031	Court, Municipal, and License Clerks	140	140	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$30,714	\$10.71	\$16.79
43-4041	Credit Authorizers, Checkers, and Clerks	90	80	-10	-11.11%	<5	<5	<5	Short-term on-the-job training	\$27,765	\$9.06	\$15.49
43-4051	Customer Service Representatives	4,630	4,760	130	2.81%	70	70	140	Moderate-term on-the-job training	\$29,010	\$9.59	\$16.12
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
43-4071	File Clerks	400	370	-30	-7.50%	<5	10	10	Short-term on-the-job training	\$24,961	\$9.00	\$13.50
43-4081	Hotel, Motel, and Resort Desk Clerks	350	360	10	2.86%	10	20	30	Short-term on-the-job training	\$17,378	\$7.41	\$8.83
43-4111	Interviewers, Except Eligibility and Loan	310	330	20	6.45%	10	10	20	Short-term on-the-job training	\$24,521	\$8.75	\$13.31
43-4121	Library Assistants, Clerical	160	160	0	0.00%	<5	10	10	Short-term on-the-job training	\$21,828	\$7.20	\$12.14
43-4131	Loan Interviewers and Clerks	390	380	-10	-2.56%	<5	10	10	Short-term on-the-job training	\$27,594	\$11.13	\$14.33
43-4141	New Accounts Clerks	180	180	0	0.00%	<5	10	10	Work experience in a related occupation	\$28,198	\$11.76	\$14.46

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43-4151	Order Clerks	1,030	1,000	-30	-2.91%	<5	20	20	Short-term on-the-job training	\$24,944	\$8.97	\$13.51
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	380	390	10	2.63%	10	10	20	Short-term on-the-job training	\$31,267	\$11.74	\$16.68
43-4171	Receptionists and Information Clerks	2,540	2,600	60	2.36%	30	70	100	Short-term on-the-job training	\$23,106	\$8.36	\$12.48
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,572	\$7.47	\$11.10
43-4199	Information and Record Clerks, All Other	410	410	0	0.00%	<5	10	10	Short-term on-the-job training	\$28,761	\$8.93	\$16.28
43-5011	Cargo and Freight Agents	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$39,096	\$11.82	\$22.29
43-5021	Couriers and Messengers	210	210	0	0.00%	<5	10	10	Short-term on-the-job training	\$20,215	\$7.06	\$11.05
43-5031	Police, Fire, and Ambulance Dispatchers	140	140	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,681	\$11.70	\$17.00
43-5032	Dispatchers, Except Police, Fire, and Ambulance	350	360	10	2.86%	10	10	20	Moderate-term on-the-job training	\$33,759	\$11.15	\$18.77
43-5041	Meter Readers, Utilities	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,790	\$9.59	\$14.52
43-5051	Postal Service Clerks	110	110	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$45,168	\$17.12	\$24.01
43-5052	Postal Service Mail Carriers	630	630	0	0.00%	<5	20	20	Short-term on-the-job training	\$42,934	\$15.03	\$23.45
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	350	350	0	0.00%	<5	10	10	Short-term on-the-job training	\$40,316	\$12.60	\$22.77
43-5061	Production, Planning, and Expediting Clerks	850	860	10	1.18%	10	20	30	Short-term on-the-job training	\$38,244	\$13.95	\$20.61
43-5071	Shipping, Receiving, and Traffic Clerks	1,860	1,870	10	0.54%	10	40	50	Short-term on-the-job training	\$27,487	\$9.50	\$15.07
43-5081	Stock Clerks and Order Fillers	3,300	3,240	-60	-1.82%	<5	170	170	Short-term on-the-job training	\$22,077	\$7.09	\$12.38
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	240	240	0	0.00%	<5	10	10	Short-term on-the-job training	\$30,188	\$10.48	\$16.53
43-6011	Executive Secretaries and Administrative Assistants	3,070	3,130	60	1.95%	30	50	80	Moderate-term on-the-job training	\$32,254	\$11.32	\$17.60
43-6012	Legal Secretaries	300	310	10	3.33%	10	10	20	Postsecondary vocational training	\$27,954	\$11.05	\$14.63
43-6013	Medical Secretaries	480	490	10	2.08%	10	10	20	Postsecondary vocational training	\$29,818	\$11.13	\$15.94
43-6014	Secretaries, Except Legal, Medical, and Executive	4,090	4,040	-50	-1.22%	<5	70	70	Moderate-term on-the-job training	\$26,745	\$9.76	\$14.40
43-9011	Computer Operators	210	200	-10	-4.76%	<5	10	10	Moderate-term on-the-job training	\$36,205	\$13.05	\$19.58
43-9021	Data Entry Keyers	630	620	-10	-1.59%	<5	20	20	Moderate-term on-the-job training	\$24,082	\$9.21	\$12.76
43-9022	Word Processors and Typists	250	240	-10	-4.00%	<5	10	10	Moderate-term on-the-job training	\$28,575	\$10.73	\$15.24
43-9031	Desktop Publishers	120	120	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$32,282	\$11.18	\$17.69
43-9041	Insurance Claims and Policy Processing Clerks	580	570	-10	-1.72%	<5	10	10	Moderate-term on-the-job training	\$29,379	\$10.94	\$15.72
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	400	370	-30	-7.50%	<5	10	10	Short-term on-the-job training	\$23,526	\$8.48	\$12.72
43-9061	Office Clerks, General	4,730	4,770	40	0.85%	20	110	130	Short-term on-the-job training	\$23,089	\$8.05	\$12.63
43-9071	Office Machine Operators, Except Computer	180	170	-10	-5.56%	<5	10	10	Short-term on-the-job training	\$27,057	\$10.12	\$14.45
43-9081	Proofreaders and Copy Markers	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,679	\$8.20	\$13.70
43-9111	Statistical Assistants	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,004	\$11.61	\$18.72
43-9199	Office and Administrative Support Workers, All Other	580	580	0	0.00%	<5	10	10	Short-term on-the-job training	\$24,091	\$8.74	\$13.00
45-0000	Farming, Fishing, and Forestry Occupations	350	360	10	2.86%	10	10	20		\$28,158	\$8.43	\$16.09
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$42,194	\$12.58	\$24.14
45-2011	Agricultural Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Associate Degree			
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	10	<5	<5	10 Work experience in a related occupation	\$24,682	\$7.29	\$14.16
45-2091	Agricultural Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$19,142	\$7.49	\$10.06
45-2093	Farmworkers, Farm and Ranch Animals	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
45-2099	Agricultural Workers, All Other	*	*	*	*	10	<5	10	Short-term on-the-job training			
45-3011	Fishers and Related Fishing Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4011	Forest and Conservation Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$30,321	\$9.54	\$17.10
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			

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45-4022	Logging Equipment Operators	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
45-4023	Log Graders and Scalars	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4029	Logging Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-0000	Construction and Extraction Occupations	14,330	14,860	530	3.70%	270	260	530		\$41,032	\$12.96	\$23.11
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	1,070	1,110	40	3.74%	20	20	40	Work experience in a related occupation	\$59,993	\$20.13	\$33.20
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2021	Brickmasons and Blockmasons	390	410	20	5.13%	10	10	20	Long-term on-the-job training	\$45,038	\$16.40	\$24.28
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2031	Carpenters	2,560	2,670	110	4.30%	60	40	100	Long-term on-the-job training	\$40,141	\$13.29	\$22.30
47-2041	Carpet Installers	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$33,766	\$10.03	\$19.33
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,931	\$9.58	\$18.96
47-2043	Floor Sanders and Finishers	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-2044	Tile and Marble Setters	50	60	10	20.00%	10	<5	10	Long-term on-the-job training	\$35,830	\$14.54	\$18.57
47-2051	Cement Masons and Concrete Finishers	520	550	30	5.77%	20	10	30	Moderate-term on-the-job training	\$34,470	\$10.93	\$19.39
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2061	Construction Laborers	1,630	1,670	40	2.45%	20	20	40	Moderate-term on-the-job training	\$34,912	\$12.87	\$18.74
47-2071	Paving, Surfacing, and Tamping Equipment Operators	100	110	10	10.00%	10	<5	10	Moderate-term on-the-job training	\$39,594	\$14.96	\$21.07
47-2072	Pile-Driver Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2073	Operating Engineers and Other Construction Equipment Operators	750	780	30	4.00%	20	20	40	Moderate-term on-the-job training	\$46,459	\$17.02	\$24.99
47-2081	Drywall and Ceiling Tile Installers	150	150	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$40,259	\$15.25	\$21.41
47-2082	Tapers	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
47-2111	Electricians	1,980	2,050	70	3.54%	40	40	80	Long-term on-the-job training	\$44,188	\$15.18	\$24.28
47-2121	Glaziers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$38,138	\$13.20	\$20.90
47-2131	Insulation Workers, Floor, Ceiling, and Wall	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2132	Insulation Workers, Mechanical	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2141	Painters, Construction and Maintenance	420	440	20	4.76%	10	10	20	Moderate-term on-the-job training	\$36,948	\$14.00	\$19.64
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$32,563	\$14.95	\$16.01
47-2151	Pipelayers	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$44,439	\$18.05	\$23.02
47-2152	Plumbers, Pipefitters, and Steamfitters	1,310	1,370	60	4.58%	30	30	60	Long-term on-the-job training	\$48,117	\$16.56	\$26.42
47-2161	Plasterers and Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2181	Roofers	260	280	20	7.69%	10	10	20	Moderate-term on-the-job training	\$34,362	\$12.03	\$18.77
47-2211	Sheet Metal Workers	630	660	30	4.76%	20	20	40	Long-term on-the-job training	\$42,352	\$14.75	\$23.17
47-2221	Structural Iron and Steel Workers	250	260	10	4.00%	10	10	20	Long-term on-the-job training	\$42,933	\$13.91	\$24.00
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	*	*	*	*	<5	10	10	Short-term on-the-job training	\$34,099	\$11.48	\$18.85
47-3012	Helpers--Carpenters	180	190	10	5.56%	10	10	20	Short-term on-the-job training	\$21,632	\$7.57	\$11.82
47-3013	Helpers--Electricians	*	*	*	*	10	10	20	Short-term on-the-job training			
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$28,673	\$8.54	\$16.41
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	*	*	*	*	10	10	20	Short-term on-the-job training	\$22,122	\$7.92	\$11.99
47-3016	Helpers--Roofers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	10	<5	10	Short-term on-the-job training	\$28,250	\$11.44	\$14.65
47-4011	Construction and Building Inspectors	120	130	10	8.33%	10	<5	10	Work experience in a related occupation	\$38,316	\$12.02	\$21.62
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-4031	Fence Erectors	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-4041	Hazardous Materials Removal Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$43,460	\$14.70	\$23.99
47-4051	Highway Maintenance Workers	460	480	20	4.35%	10	10	20	Moderate-term on-the-job training	\$31,076	\$9.08	\$17.87

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47-4061	Rail-Track Laying and Maintenance Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$32,751	\$9.93	\$18.65
47-4091	Segmental Pavers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4099	Construction and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$29,286	\$9.79	\$16.22
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5013	Service Unit Operators, Oil, Gas, and Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5021	Earth Drillers, Except Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$41,148	\$13.64	\$22.85
	Explosives Workers, Ordnance Handling Experts, and Blasters	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5031	Continuous Mining Machine Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5041	Mine Cutting and Channeling Machine Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5042	Mine Cutting and Channeling Machine Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5051	Rock Splitters, Quarry	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5071	Roustabouts, Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5081	Helpers--Extraction Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
47-5099	Extraction Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-0000	Installation, Maintenance, and Repair Occupations	12,620	12,840	220	1.74%	110	270	380		\$38,425	\$12.15	\$21.64
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	1,030	1,040	10	0.97%	10	20	30	Work experience in a related occupation	\$54,391	\$18.51	\$29.97
49-2011	Computer, Automated Teller, and Office Machine Repairers	160	160	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$36,031	\$13.97	\$19.00
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	*	*	*	*	<5	10	10	Postsecondary vocational training			
49-2091	Avionics Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2092	Electric Motor, Power Tool, and Related Repairers	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$36,314	\$15.40	\$18.49
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$39,027	\$16.74	\$19.78
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	120	120	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$40,837	\$14.91	\$21.99
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$31,556	\$11.22	\$17.14
49-2098	Security and Fire Alarm Systems Installers	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$34,889	\$13.25	\$18.54
49-3011	Aircraft Mechanics and Service Technicians	*	*	*	*	10	10	20	Postsecondary vocational training			
49-3021	Automotive Body and Related Repairers	410	410	0	0.00%	<5	10	10	Long-term on-the-job training	\$38,295	\$13.33	\$20.95
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3023	Automotive Service Technicians and Mechanics	1,570	1,600	30	1.91%	20	40	60	Postsecondary vocational training	\$33,084	\$9.88	\$18.92
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	520	540	20	3.85%	10	10	20	Postsecondary vocational training	\$34,563	\$12.16	\$18.84
49-3041	Farm Equipment Mechanics	160	170	10	6.25%	10	<5	10	Postsecondary vocational training	\$30,919	\$11.18	\$16.71
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	200	200	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$37,413	\$14.05	\$19.95
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3051	Motorboat Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3052	Motorcycle Mechanics	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$35,590	\$12.04	\$19.64
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,516	\$8.97	\$14.64
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training			

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49-3093	Tire Repairers and Changers	130	130	0	0.00%	<5	10	10	Short-term on-the-job training	\$20,946	\$8.10	\$11.06
49-9011	Mechanical Door Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$43,474	\$15.33	\$23.69
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$29,161	\$9.55	\$16.25
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	780	830	50	6.41%	30	10	40	Long-term on-the-job training	\$44,518	\$14.59	\$24.81
49-9031	Home Appliance Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$32,101	\$12.71	\$16.79
49-9041	Industrial Machinery Mechanics	1,000	1,000	0	0.00%	<5	20	20	Long-term on-the-job training	\$42,931	\$17.10	\$22.41
49-9042	Maintenance and Repair Workers, General	2,990	3,030	40	1.34%	20	50	70	Long-term on-the-job training	\$37,195	\$12.76	\$20.44
49-9043	Maintenance Workers, Machinery	320	320	0	0.00%	<5	10	10	Short-term on-the-job training	\$34,172	\$10.36	\$19.46
49-9044	Millwrights	310	310	0	0.00%	<5	10	10	Long-term on-the-job training	\$46,513	\$17.59	\$24.75
49-9045	Refractory Materials Repairers, Except Brickmasons	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$42,785	\$19.85	\$20.93
49-9051	Electrical Power-Line Installers and Repairers	140	140	0	0.00%	<5	10	10	Long-term on-the-job training	\$48,260	\$18.47	\$25.57
49-9052	Telecommunications Line Installers and Repairers	450	470	20	4.44%	10	10	20	Long-term on-the-job training	\$32,500	\$11.56	\$17.66
49-9061	Camera and Photographic Equipment Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9062	Medical Equipment Repairers	*	*	*	*	<5	<5	<5	Associate degree			
49-9063	Musical Instrument Repairers and Tuners	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-9069	Precision Instrument and Equipment Repairers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	110	110	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,731	\$15.18	\$18.18
49-9092	Commercial Divers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9094	Locksmiths and Safe Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
49-9098	Helpers--Installation, Maintenance, and Repair Workers	280	280	0	0.00%	<5	10	10	Short-term on-the-job training	\$23,247	\$8.47	\$12.53
49-9099	Installation, Maintenance, and Repair Workers, All Other	560	570	10	1.79%	10	10	20	Moderate-term on-the-job training	\$33,296	\$11.28	\$18.37
51-0000	Production Occupations	43,670	43,610	-60	-0.14%	<5	1,010	1,010		\$32,248	\$10.07	\$18.22
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	2,800	2,820	20	0.71%	10	50	60	Work experience in a related occupation	\$50,099	\$16.53	\$27.86
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-2021	Coil Winders, Tapers, and Finishers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-2022	Electrical and Electronic Equipment Assemblers	*	*	*	*	10	20	30	Short-term on-the-job training			
51-2023	Electromechanical Equipment Assemblers	160	150	-10	-6.25%	<5	<5	<5	Short-term on-the-job training	\$32,631	\$10.30	\$18.38
51-2031	Engine and Other Machine Assemblers	400	400	0	0.00%	<5	10	10	Short-term on-the-job training	\$42,993	\$16.36	\$22.82
51-2041	Structural Metal Fabricators and Fitters	440	450	10	2.27%	10	10	20	Moderate-term on-the-job training	\$35,882	\$11.72	\$20.02
51-2091	Fiberglass Laminators and Fabricators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$25,160	\$10.20	\$13.04
51-2092	Team Assemblers	4,470	4,550	80	1.79%	40	110	150	Moderate-term on-the-job training	\$28,571	\$8.66	\$16.27
51-2093	Timing Device Assemblers, Adjusters, and Calibrators	0	0	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-2099	Assemblers and Fabricators, All Other	1,230	1,230	0	0.00%	<5	30	30	Moderate-term on-the-job training	\$31,375	\$8.40	\$18.42
51-3011	Bakers	430	440	10	2.33%	10	10	20	Long-term on-the-job training	\$23,195	\$8.19	\$12.63
51-3021	Butchers and Meat Cutters	310	310	0	0.00%	<5	10	10	Long-term on-the-job training	\$30,171	\$10.90	\$16.31
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$21,340	\$8.62	\$11.08
51-3023	Slaughterers and Meat Packers	*	*	*	*	10	10	20	Moderate-term on-the-job training	\$23,358	\$9.26	\$12.21

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51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-3092	Food Batchmakers	430	430	0	0.00%	<5	10	10	Short-term on-the-job training	\$28,733	\$10.08	\$15.68
51-3093	Food Cooking Machine Operators and Tenders	130	130	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$35,046	\$10.76	\$19.89
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	1,050	1,060	10	0.95%	10	20	30	Moderate-term on-the-job training	\$36,486	\$13.05	\$19.79
51-4012	Numerical Tool and Process Control Programmers	80	80	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$46,323	\$17.26	\$24.77
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	330	320	-10	-3.03%	<5	10	10	Moderate-term on-the-job training	\$31,968	\$10.75	\$17.68
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	200	210	10	5.00%	10	<5	10	Moderate-term on-the-job training			
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	90	100	10	11.11%	10	<5	10	Moderate-term on-the-job training	\$32,463	\$12.11	\$17.36
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	1,070	1,030	-40	-3.74%	<5	20	20	Moderate-term on-the-job training	\$29,763	\$10.34	\$16.30
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	300	300	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$29,615	\$10.05	\$16.33
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	810	800	-10	-1.23%	<5	20	20	Moderate-term on-the-job training	\$36,178	\$12.40	\$19.89
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	380	370	-10	-2.63%	<5	10	10	Moderate-term on-the-job training	\$32,625	\$11.54	\$17.76
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	150	150	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$37,170	\$14.64	\$19.48
51-4041	Machinists	1,530	1,560	30	1.96%	20	30	50	Long-term on-the-job training	\$36,616	\$13.87	\$19.47
51-4051	Metal-Refining Furnace Operators and Tenders	150	150	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$37,309	\$15.29	\$19.26
51-4052	Pourers and Casters, Metal	180	180	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,697	\$14.01	\$19.46
51-4061	Model Makers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4062	Patternmakers, Metal and Plastic	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$44,485	\$15.17	\$24.50
51-4071	Foundry Mold and Coremakers	290	290	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$33,775	\$13.30	\$17.71
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,150	1,140	-10	-0.87%	<5	30	30	Moderate-term on-the-job training	\$34,718	\$12.12	\$18.98
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	450	450	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$36,113	\$13.17	\$19.46
51-4111	Tool and Die Makers	500	500	0	0.00%	<5	10	10	Long-term on-the-job training	\$41,351	\$14.84	\$22.40
51-4121	Welders, Cutters, Solderers, and Brazers	1,240	1,260	20	1.61%	10	30	40	Postsecondary vocational training	\$34,331	\$12.31	\$18.60
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	220	220	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$26,820	\$8.96	\$14.86
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	10	10	Moderate-term on-the-job training			
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	170	170	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,410	\$8.49	\$14.80
51-4194	Tool Grinders, Filers, and Sharpeners	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$31,223	\$11.57	\$16.73
51-4199	Metal Workers and Plastic Workers, All Other	*	*	*	*	<5	10	10	Moderate-term on-the-job training	\$35,397	\$12.03	\$19.51
51-5011	Bindery Workers	710	720	10	1.41%	10	20	30	Moderate-term on-the-job training	\$30,326	\$9.87	\$16.94
51-5012	Bookbinders	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,879	\$8.47	\$16.59
51-5021	Job Printers	250	250	0	0.00%	<5	10	10	Long-term on-the-job training	\$31,021	\$9.97	\$17.38
51-5022	Prepress Technicians and Workers	440	430	-10	-2.27%	<5	10	10	Postsecondary vocational training	\$35,814	\$12.64	\$19.51
51-5023	Printing Machine Operators	1,350	1,350	0	0.00%	<5	30	30	Moderate-term on-the-job training	\$37,524	\$13.28	\$20.42
51-6011	Laundry and Dry-Cleaning Workers	380	390	10	2.63%	10	10	20	Moderate-term on-the-job training	\$20,380	\$7.65	\$10.87

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51-6021	Pressers, Textile, Garment, and Related Materials	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$19,691	\$8.07	\$10.17
51-6031	Sewing Machine Operators	450	430	-20	-4.44%	<5	10	10	Moderate-term on-the-job training	\$20,764	\$7.79	\$11.08
51-6041	Shoe and Leather Workers and Repairers	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-6042	Shoe Machine Operators and Tenders	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-6051	Sewers, Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-6052	Tailors, Dressmakers, and Custom Sewers	*	*	*	*	10	<5	10	Work experience in a related occupation	\$20,115	\$9.43	\$9.79
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$26,091	\$10.13	\$13.75
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$37,294	\$13.71	\$20.04
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,585	\$12.90	\$19.21
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-6093	Upholsterers	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$30,869	\$10.05	\$17.23
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-7011	Cabinetmakers and Bench Carpenters	260	260	0	0.00%	<5	10	10	Long-term on-the-job training	\$33,916	\$11.17	\$18.87
51-7021	Furniture Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-7031	Model Makers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-7032	Patternmakers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	180	180	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,935	\$11.20	\$14.55
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	280	280	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,167	\$10.18	\$14.50
51-7099	Woodworkers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$20,363	\$8.04	\$10.67
51-8011	Nuclear Power Reactor Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8012	Power Distributors and Dispatchers	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-8013	Power Plant Operators	80	80	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$47,436	\$15.50	\$26.46
51-8021	Stationary Engineers and Boiler Operators	80	80	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$44,455	\$16.84	\$23.64
51-8031	Water and Liquid Waste Treatment Plant and System Operators	*	*	*	*	<5	10	10	Long-term on-the-job training	\$39,160	\$13.64	\$21.42
51-8091	Chemical Plant and System Operators	70	70	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$42,054	\$17.02	\$21.82
51-8092	Gas Plant Operators	0	0	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8099	Plant and System Operators, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-9011	Chemical Equipment Operators and Tenders	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$37,211	\$15.06	\$19.31
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	240	240	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$40,440	\$12.53	\$22.90
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	210	210	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$31,306	\$10.26	\$17.44
51-9022	Grinding and Polishing Workers, Hand	240	230	-10	-4.17%	<5	10	10	Moderate-term on-the-job training	\$28,017	\$9.30	\$15.56
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	540	530	-10	-1.85%	<5	10	10	Moderate-term on-the-job training	\$30,780	\$10.41	\$16.99
51-9031	Cutters and Trimmers, Hand	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,532	\$7.98	\$12.98
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	670	660	-10	-1.49%	<5	10	10	Moderate-term on-the-job training	\$31,907	\$10.65	\$17.68

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51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	240	240	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$29,728	\$11.77	\$15.56
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	110	100	-10	-9.09%	<5	<5	<5	Moderate-term on-the-job training	\$35,491	\$12.74	\$19.23
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	2,550	2,580	30	1.18%	20	60	80	Moderate-term on-the-job training	\$28,421	\$9.94	\$15.53
51-9071	Jewelers and Precious Stone and Metal Workers	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$40,924	\$13.49	\$22.77
51-9081	Dental Laboratory Technicians	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$32,692	\$11.79	\$17.68
51-9082	Medical Appliance Technicians	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-9083	Ophthalmic Laboratory Technicians	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,415	\$11.23	\$15.60
51-9111	Packaging and Filling Machine Operators and Tenders	2,040	2,010	-30	-1.47%	<5	40	40	Short-term on-the-job training	\$29,153	\$10.39	\$15.83
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	600	600	0	0.00%	<5	20	20	Moderate-term on-the-job training	\$32,684	\$11.39	\$17.88
51-9122	Painters, Transportation Equipment	270	270	0	0.00%	<5	10	10	Long-term on-the-job training	\$36,974	\$13.86	\$19.73
51-9123	Painting, Coating, and Decorating Workers	90	100	10	11.11%	10	<5	10	Short-term on-the-job training	\$23,633	\$9.15	\$12.47
51-9131	Photographic Process Workers	70	60	-10	-14.29%	<5	<5	<5	Moderate-term on-the-job training			
51-9132	Photographic Processing Machine Operators	140	130	-10	-7.14%	<5	<5	<5	Short-term on-the-job training	\$19,596	\$7.61	\$10.33
51-9141	Semiconductor Processors	10	10	0	0.00%	<5	<5	<5	Associate degree			
51-9191	Cementing and Gluing Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$33,214	\$12.91	\$17.50
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,715	\$10.95	\$18.12
51-9193	Cooling and Freezing Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9194	Etchers and Engravers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,382	\$11.18	\$17.04
51-9196	Paper Goods Machine Setters, Operators, and Tenders	2,530	2,470	-60	-2.37%	<5	50	50	Moderate-term on-the-job training	\$34,051	\$11.37	\$18.87
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9198	Helpers--Production Workers	2,540	2,540	0	0.00%	<5	80	80	Short-term on-the-job training	\$25,054	\$7.99	\$14.08
51-9199	Production Workers, All Other	1,130	1,100	-30	-2.65%	<5	30	30	Moderate-term on-the-job training	\$27,871	\$8.86	\$15.67
53-0000	Transportation and Material Moving Occupations	23,260	23,570	310	1.33%	160	530	690		\$29,072	\$8.30	\$16.81
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	450	460	10	2.22%	10	10	20	Work experience in a related occupation	\$43,895	\$14.53	\$24.39
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	470	480	10	2.13%	10	10	20	Work experience in a related occupation	\$45,599	\$13.40	\$26.18
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	10	<5	10	Bachelor's degree			
53-2012	Commercial Pilots	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$57,354		
53-2021	Air Traffic Controllers	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
53-2022	Airfield Operations Specialists	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
53-3021	Bus Drivers, Transit and Intercity	210	210	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$21,401	\$6.20	\$12.33
53-3022	Bus Drivers, School	840	860	20	2.38%	10	20	30	Short-term on-the-job training	\$24,722	\$8.77	\$13.45
53-3031	Driver/Sales Workers	670	690	20	2.99%	10	10	20	Short-term on-the-job training	\$26,750	\$6.76	\$15.91
53-3032	Truck Drivers, Heavy and Tractor-Trailer	5,010	5,120	110	2.20%	60	80	140	Moderate-term on-the-job training	\$37,536	\$13.08	\$20.53
53-3033	Truck Drivers, Light or Delivery Services	2,220	2,270	50	2.25%	30	20	50	Short-term on-the-job training	\$23,709	\$7.17	\$13.51
53-3041	Taxi Drivers and Chauffeurs	340	350	10	2.94%	10	<5	10	Short-term on-the-job training	\$17,980	\$6.87	\$9.53
53-3099	Motor Vehicle Operators, All Other	120	120	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,263	\$5.94	\$9.48

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Annual Openings			Typical Education/Training Path ⁽⁴⁾	Estimated Salary and Wages		
		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
53-4099	Rail Transportation Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-5011	Sailors and Marine Oilers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-5021	Captains, Mates, and Pilots of Water Vessels	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
53-6011	Bridge and Lock Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-6021	Parking Lot Attendants	100	90	-10	-10.00%	<5	<5	<5	Short-term on-the-job training	\$19,404	\$7.78	\$10.11
53-6031	Service Station Attendants	110	120	10	9.09%	10	10	20	Short-term on-the-job training	\$20,809	\$7.60	\$11.21
53-6041	Traffic Technicians	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-6051	Transportation Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
53-6099	Transportation Workers, All Other	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,904	\$7.15	\$14.38
53-7011	Conveyor Operators and Tenders	120	120	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$28,169	\$9.34	\$15.65
53-7021	Crane and Tower Operators	70	70	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$41,427	\$14.40	\$22.68
53-7031	Dredge Operators	0	0	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
53-7032	Excavating and Loading Machine and Dragline Operators	110	110	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,755	\$12.60	\$20.21
53-7033	Loading Machine Operators, Underground Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7041	Hoist and Winch Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7051	Industrial Truck and Tractor Operators	2,170	2,180	10	0.46%	10	40	50	Short-term on-the-job training	\$31,694	\$11.38	\$17.16
53-7061	Cleaners of Vehicles and Equipment	730	730	0	0.00%	<5	30	30	Short-term on-the-job training	\$22,830	\$7.03	\$12.95
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	5,620	5,670	50	0.89%	30	210	240	Short-term on-the-job training	\$23,729	\$7.66	\$13.28
53-7063	Machine Feeders and Offbearers	580	560	-20	-3.45%	<5	20	20	Short-term on-the-job training	\$26,971	\$8.73	\$15.09
53-7064	Packers and Packagers, Hand	2,720	2,770	50	1.84%	30	50	80	Short-term on-the-job training	\$22,448	\$7.42	\$12.48
53-7071	Gas Compressor and Gas Pumping Station Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7072	Pump Operators, Except Wellhead Pumps	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7081	Refuse and Recyclable Material Collectors	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$29,144	\$10.14	\$15.95
53-7111	Shuttle Car Operators	*	*	*	*	<5	<5	<5	Short-term on-the-job training			

Footnotes:

- (1) **Employment** is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment is a count of jobs rather than people, and includes all part- and full-time nonfarm jobs. Employment does not include jobs among self-employed and unpaid family workers.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total openings** are the sum of new jobs and replacements. Total openings are an indication of how many new people are needed to enter a given occupation.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
Associate Degree: This degree requires two years of full-time academic work beyond high school.

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Annual Openings			Typical Education/Training Path ⁽⁴⁾	Estimated Salary and Wages		
		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾

Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.

Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.

Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.

First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.

Bachelor's or higher degree, plus work experience: These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.

- (5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) **Entry Level Wage** is the average of the lower third of wages.
- (7) **Experienced Wage** is the average of the upper two-thirds of wages.
- (8) Either a bachelor's or an associate degree are accepted in this occupations. It depends on the specifics of the position and the employer.

Information is derived using the 2005 OES Survey, 2005 QCEW and 2005 CES (3/05 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy during 2006 and 2007. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development
August 2006

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